Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/12/2017 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124860	-1	1.72	124643	1.69
Blue	F	SSC	125000	123795	-1	3.35	123990	3.13
Blue	E	FITC	23795	22832	-5	2.83	1018	10.60
Blue	D	PE	29673	29064	-3	2.35	1044	10.24
Blue	B	PerCP-Cy5-5	48943	47621	-3	3.76	1368	17.79
Blue	A	PE-Cy7	44112	43930	-1	5.47	673	37.65
Red	C	APC	54273	52795	-3	2.78	3033	9.80
Red	A	APC-Cy7	54945	54284	-2	2.81	1120	11.82
Violet	B	V450	15756	15102	-5	4.00	724	9.06
Violet	A	V500	62569	61194	-3	3.76	2716	6.53

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19412	3.73	613	-1	N/A	N/A	Pass
Blue	F	SSC	60903	1.82	549	3	N/A	N/A	Pass
Blue	E	FITC	113	40.12	549	-1	0.0197	173	Pass
Blue	D	PE	228	30.35	548	2	0.1498	255	Pass
Blue	B	PerCP-Cy5-5	209	46.27	639	0	0.0090	39	Pass
Blue	A	PE-Cy7	70	128.68	696	-3	0.0106	14	Pass
Red	C	APC	353	28.57	601	1	0.0187	49	Pass
Red	A	APC-Cy7	122	42.77	580	-4	0.0048	1446	Pass
Violet	B	V450	88	42.59	469	-3	0.0459	1981	Pass
Violet	A	V500	197	23.30	497	-2	0.0136	423	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/12/2017 10:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.66	-31.10	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.34
Red	16.26	13.27 - 19.91	N/A	N/A	30.89	31.47	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9992

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments